

# What will happen to the seeds?

Inspired by *Ada Twist, Scientist* by Andrea Beaty

**Goal:** Predict and measure how seeds grow when sprouted in soil, cotton balls, and paper towels.

## You will need:

- A Tablespoon
- Three plastic bags
- Six of the same type of seeds
- Soil
- Six cotton balls
- Two paper towels

## What to do:

- Prepare three plastic bags as follows:
  - In bag 1, take two seeds and place each of them into a damp cotton ball. Add four more damp cotton balls to the bag.
  - In bag 2, take two seeds and place each of them into a moist paper towel. Wrap the paper towels around the seeds so they form two balls, each with a seed in the center.
  - In bag 3, put 4 tablespoons of moist soil inside of the bag and place two seeds in the soil.
- Close the bags and use tape to hang them on a window pane.
- Keep the bags moist at all times.
- Predict what will happen to the seeds in 1 day, 5 days, 1 week, and 2 weeks.
- Use a ruler to measure the seedlings. How tall are the seedlings on day 5, after 1 week, after two weeks?

## Other experiments to try:

- Plant four different types of seeds in plastic bags. Compare how they grow. Do they sprout on different days? Do some grow more quickly than others? Record what happens.
- Grow the same type of seed in a plastic bag with soil, but place the bags in different locations. Do you notice differences in how the seeds grow?

